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**(54) DRIVING FORCE CONTROLLER OF VEHICLE****(57) Abstract:**

**PURPOSE:** To enable self-drive, even in case of a trouble of inoperative opening action of an electronic type throttle controller by determining the allowable maximum step position of a speed change gear in response to an accelerator opening, and selecting the speed change gear position for getting maximum driving force among the speed change gear positions which are less than the maximum so as to control an automatic transmission.

**CONSTITUTION:** An accelerator opening is detected based on signals from acceleration sensors 19, 20, and a throttle opening is detected based on a signal from a throttle sensor 21, and an electronic type throttle controller is diagnosed, whether any opening operation trouble is preseat or not. If any trouble is found, the allowable maximum step position of a speed change gear is determined based on the detected accelerator opening, and estimated driving force is calculated per speed change gear position by the present vehicle speed detected by a vehicle speed sensor 22. The estimated driving forces on the respective speed change gear positions which are less than the maximum allowable speed change gear step position are compared mutually, and the speed change position where the maximum

driving force is obtained, is selected, and then an auxiliary air control valve 15 is fully opened. Consequently, self drive can be continued.

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